

REMARKS

New claims 9-19 are fully supported by the specification, and are believed to yet more clearly point out and define the invention.

Respectfully submitted,



Charles J. Ungemach  
Registration No. 18,984  
Ungemach & Associates  
1122 27th Ave. NW  
New Brighton MN 55112  
(651) 636-6331

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Please add new claims 9 through 19.

9. The method of rendering the control of the gas-air ratio of a burner system independent of the aging process of a gas quality sensor having an output which is applied to the system for calibrating the system comprising the step of:  
applying the output of the sensor to the system only at predetermined times.

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10. The method of claim 9 wherein the predetermined times are just after the sensor is installed.

11. The method of claim 9 wherein the predetermined times are just after the sensor is installed and stable operation of the burner has been reached.

12. The method of claim 9 wherein the predetermined times are just after a fresh start of the burner.

13. The method of claim 9 wherein the predetermined times are just after a fresh start of the burner and stable operation of the burner has been reached.

14. The method of claim 9 wherein the predetermined times are just after reset.

15. The method of claim 9 wherein the predetermined times are just after reset and stable operation of the burner has been reached.

16. The method of claim 9 wherein the predetermined times are just after the sensor is installed, just after a fresh start of the burner and just after reset.

17. The method of claim 16 wherein the predetermined times are just after the sensor is installed, just after a fresh start of the burner and just after reset and after stable operation of the burner has been reached.

18. The method of claim 9 wherein the gas-air ratio has an upper limit and when the upper limit is exceeded, the upper limit continues to be used to determine subsequent gas-air ratios above the limit.

19. The method of claim 9 wherein the gas-air ratio has a lower limit and when the gas-air ratio falls below the lower limit, the lower limit continues to be used to determine subsequent gas-air ratios below the limit.